

**Application No. 10/583,567**  
**AMENDMENT of August 24, 2009**  
**Response after Notice of Allowance of July 2, 2009**

**Amendments to the Specification:**

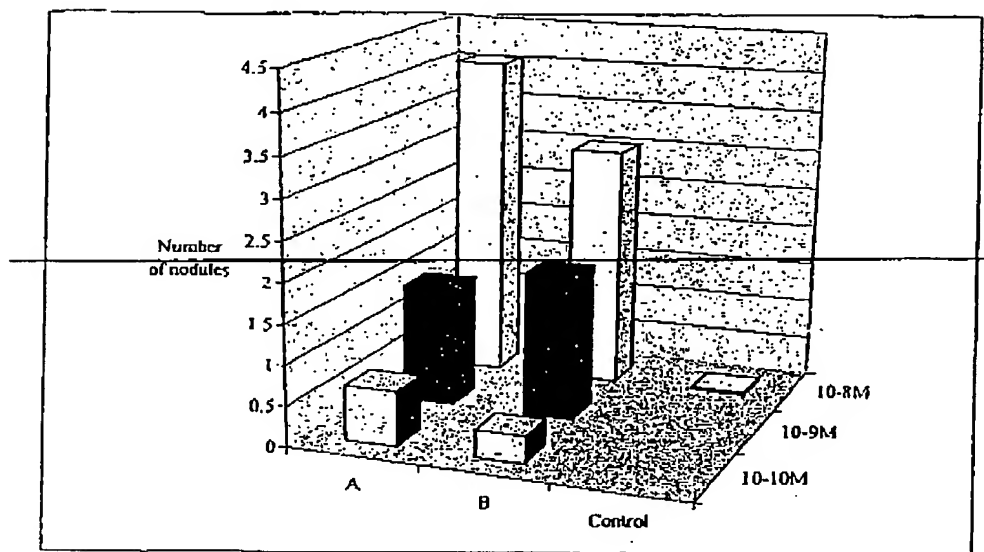
Please note that numerals are underlined in the original specification.

Please replace the last paragraph on page 38 at lines 30 through 33 with the following amended paragraph.

The benzamide derivative 3 meta-substituted with the undec-4Z-enyloxy chain shows advantageous activity, the activity being similar to that of the sulfated tetramer 11 acylated with the reference C16:1 $\Delta$ 9Z chain as shown in Figure 1.

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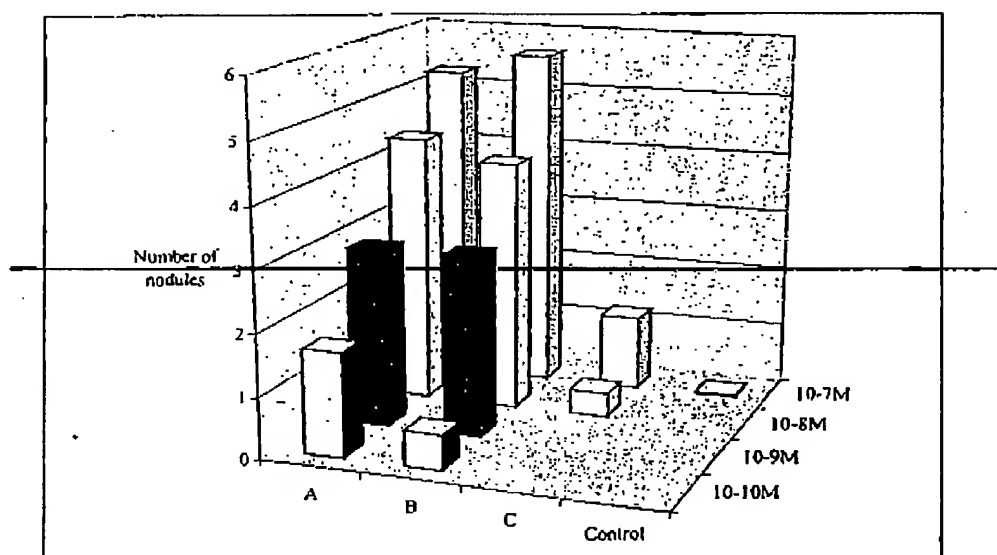
Please delete the two figures on page 39 and amend the two paragraphs as follows.



~~A: 11; B: 3; Control: no LCO~~

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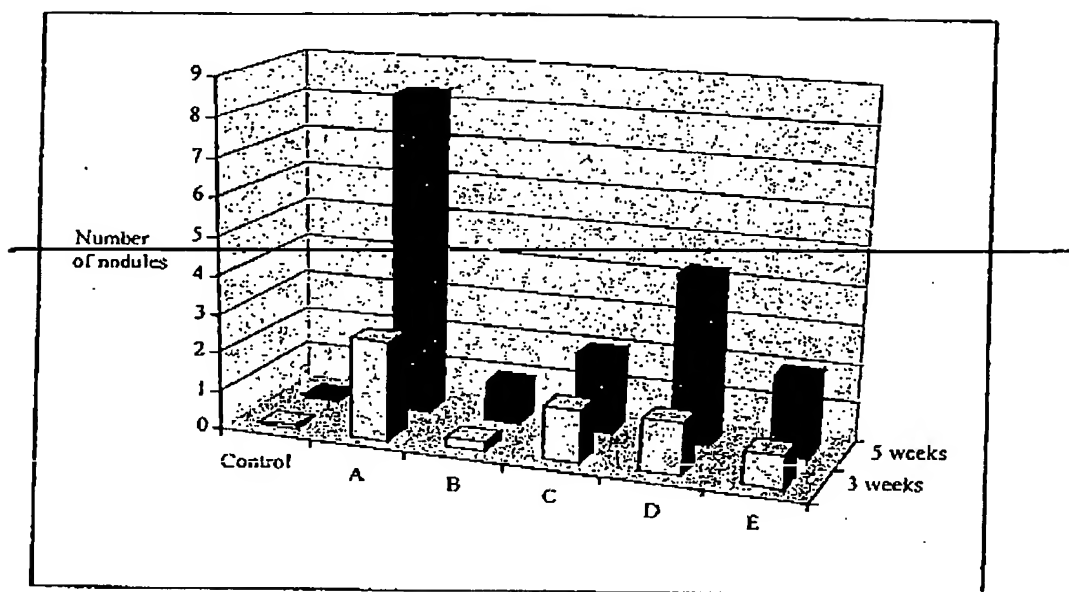
The Benzyl derivative 4 has moderate activity relative to the benzamide derivative 3 as shown in Figure 2.



~~A: 11; B: 3; C: 4; Control: no LGO~~

Finally, the N-acetylation of the benzyl derivative 4 leads to an improvement in the response, but the activity remains lower than that of the benzamide derivative 3 as shown in Figure 3.

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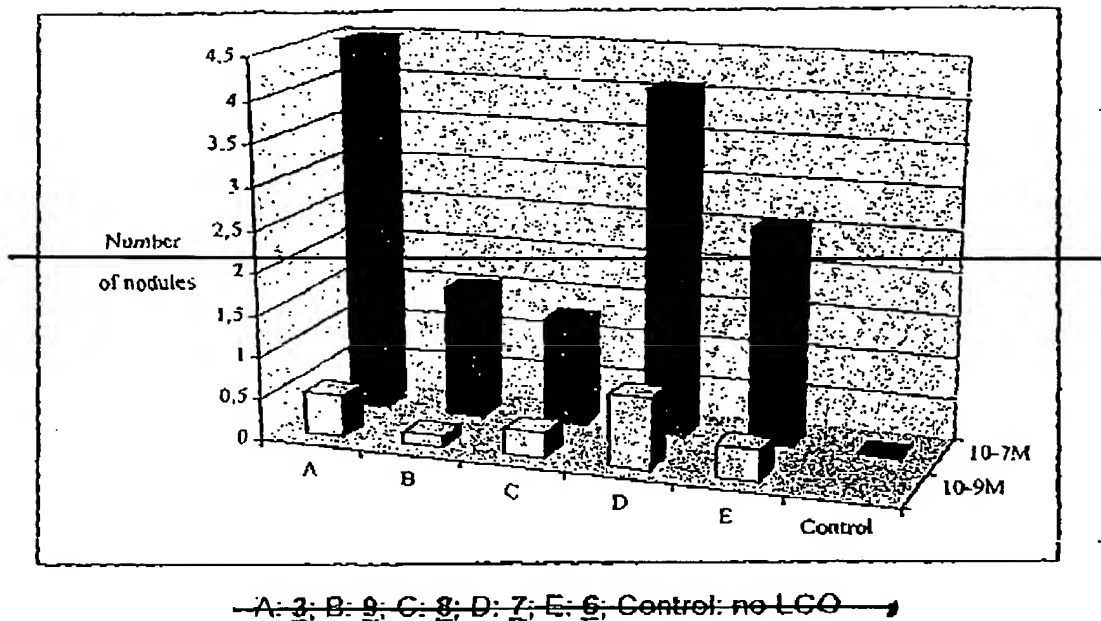
~~A: 3 to  $10^{-7}$ M; B: 4 to  $10^{-7}$ M; C: 5 to  $10^{-7}$ M; D: 11 to  $10^{-7}$ M;~~  
~~E: 11 to  $10^{-9}$ M; Control: no LCO~~

Please amend the last paragraph on page 40 at lines 9 through 12 as follows.

The benzamide 7 meta-substitute with the undec-4-ynyloxy chain shows activity comparable to that of the benzamide derivative 3, whereas the benzamide compound 6 substituted with the fully saturated chain shows slightly lower activity. These results indicate that an unsaturation in position 4 may lead to an increase in activity as shown in Figure 4.

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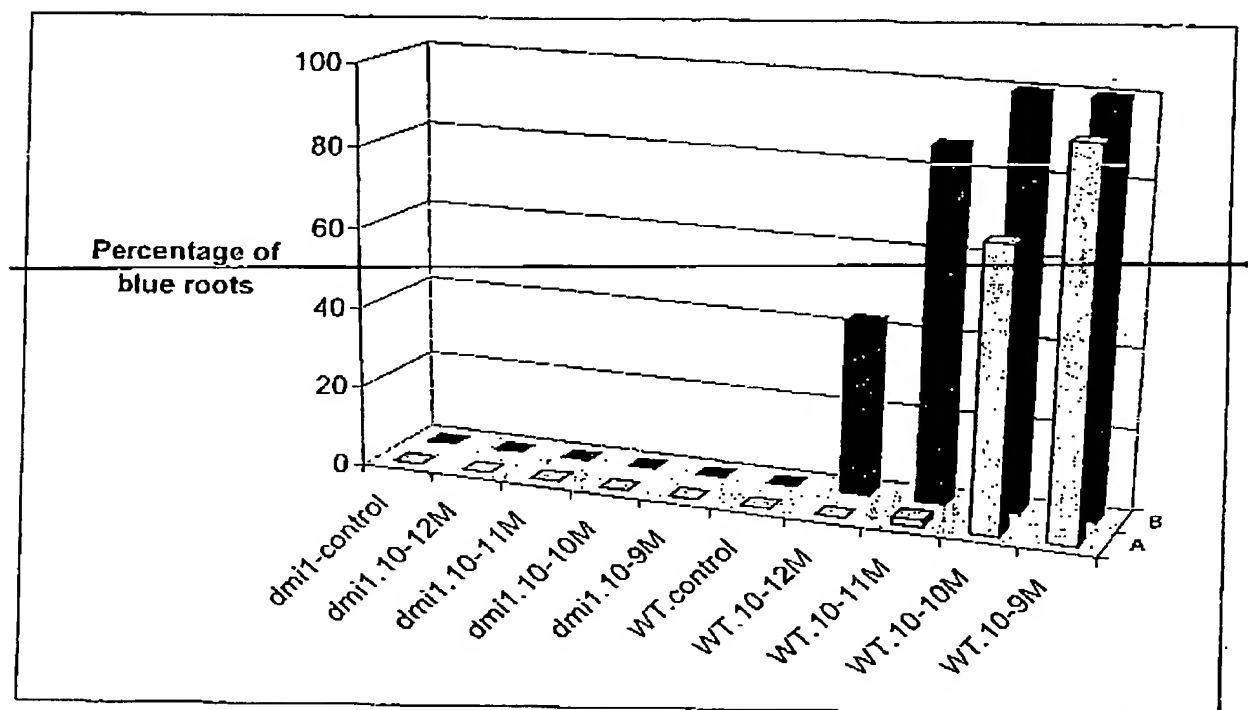
Please delete the figure on page 41 as follows.



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Please delete the figure on page 43 and amend the second paragraph at lines 7 and 8 as follows.

This test is relatively sensitive, to the extent that it is possible to work at LCO concentrations that are lower than those for the modulation tests as shown in Figure 5.



~~A: 3; B: 12; Control: no LCO~~

Attachments: Replacement pages 39, 40, 41, and 43